

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>P85706PC00CF</b>	<b>FOR FURTHER ACTION</b> <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No. <b>PCT/GB2004/002796</b>	International filing date (day/month/year) <b>01/07/2004</b>	(Earliest) Priority Date (day/month/year) <b>11/07/2003</b>
Applicant  <b>PANDROL LIMITED</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☒ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 2

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB2004/002796

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-7, 10-19

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-7,10-19

a tuned absorber with an active mass and a member in use coupled to the rail; a tuned absorber assembly comprising a tuned absorber as claimed in claims 1-7; a method of mounting a tuned absorber as claimed in claims 1-7

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2. claims: 8-19

a tuned absorber with active masses which are coupled in a first frequency range and decoupled in a second; a tuned absorber assembly comprising a tuned absorber as claimed in claims 8-13; a method of mounting a tuned absorber as claimed in claims 8-13

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3. claims: 20,21

a tuned absorber assembly with an attachment means comprising a spring steel strap

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/002796

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E01B9/62

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 99/15732 A (BRITISH STEEL PLC ; CLARKE JOHN BARRY (GB); JONES CHRISTOPHER JOHN CED) 1 April 1999 (1999-04-01) cited in the application abstract	1,14,18
A	DE 39 39 215 A (SCHWARTZ HEINZ) 29 May 1991 (1991-05-29) Ref. 7figure 1	1
A	DE 36 05 831 A (SCHWARTZ HEINZ) 27 August 1987 (1987-08-27) abstract; figure 3	1
A	GB 1 480 101 A (GRUNDY & PARTNERS LTD) 20 July 1977 (1977-07-20) claim 1; figure 3	18
	- / - -	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

7 October 2004

Date of mailing of the international search report

14. 03. 2005

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/002796

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 2004/079095 A (CORUS UK LTD ; FARRINGTON DAVID (GB)) 16 September 2004 (2004-09-16) abstract; figures 1-4 -----	1,2,4,7, 14

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/002796

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9915732	A	01-04-1999	AT 264430 T	15-04-2004
			AU 753123 B2	10-10-2002
			AU 9355898 A	12-04-1999
			CA 2303836 A1	01-04-1999
			DE 69823212 D1	19-05-2004
			DK 1015698 T3	09-08-2004
			EP 1015698 A1	05-07-2000
			ES 2219907 T3	01-12-2004
			WO 9915732 A1	01-04-1999
			JP 2001517744 T	09-10-2001
			NZ 503445 A	27-09-2002
			PT 1015698 T	30-09-2004
			US 6390382 B1	21-05-2002
DE 3939215	A	29-05-1991	DE 3939215 A1	29-05-1991
DE 3605831	A	27-08-1987	DE 3605831 A1	27-08-1987
GB 1480101	A	20-07-1977	NONE	
WO 2004079095	A	16-09-2004	GB 2399123 A	08-09-2004
			WO 2004079095 A1	16-09-2004